



DESIGNED FOR USE WITH .141 S.R.(RG 402/U)	
CABLE ENTRY DIAMETER MINIMUM	
HOUSING	.143
CONTACT	.037

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
011	ADDED CABLE .535REF & .063R, ECN 85-0991	D.CAM 12/5/85	RR 12/5/85
012	.335±.020 WAS .330±.020, ECN 86-0076	JM 2/13/86	R.GIERAS
020	MAJOR CHANGE, ECN 88-0382-2	MH/M 3/2/88	D.CAMELIO
021	REDRAWN IN CAD, ECN 88-0678	KCM 11/28/89	LROSS 12/4/89
02 ₂	ADDED ELECTRICAL, MECHANICAL, AND ENVIRONMENTAL SPECS PER ECN 90-0493	M.C. 7-25-90	BB. 7-26-90

- NOTES:
1. PICTORIAL VIEW IS AFTER CRIMPING
 2. MIN STRAIGHT CABLE LENGTH: .175
 3. IT IS SUGGESTED TO BEND CABLE PRIOR TO CRIMPING

	DIM 'A'	DIM 'B'
BEFORE CRIMPING	.335 REF (8.5 mm)	.310 REF (7.9 mm)
AFTER CRIMPING	.355 MAX (9.0 mm)	.230 REF (5.8 mm)

HOUSING COUPLING NUT BUSHING	STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303	PASSIVATE PER ASTM-A380
DIELECTRIC	TFE FLUOROCARBON PER ASTM-D-1457, MIL-P-19468, AND FED. SPEC L-P-403	N/A
CENTER CONTACT	BERYLLIUM COPPER PER ASTM B196, ALLOY 173	GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550
RETAINING RING	BERYLLIUM COPPER PER ASTM B194	N/A
GASKET	SILICONE RUBBER PER ZZ-R-765	N/A

ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Nominal Impedance (Ohms) <u>50</u>	Interface Dimensions <u>MIL-STD-348</u> ,	Temperature Rating <u>-65° to +105°C</u>
Frequency Range (GHz) <u>DC to 18</u>	Recommended Mating Torque (In/Lbs) <u>7-10</u>	Vibration <u>MIL-STD-202, Method 204, Condition D</u>
Volt Rating (VRMS MAX) @ Sea Level <u>500</u>	Center Contact Captivation Axial (Lbs) <u>6</u>	Shock <u>MIL-STD-202, Method 213, Condition I</u>
VSWR <u>1.05+0.005f(GHz)</u>	Radial (In/Oz) <u>NONE</u>	Thermal Shock <u>MIL-STD-202, Method 102, Condition C</u>
Insertion Loss (dB MAX) <u>.03x √ f(GHz)</u>	Cable Retention Axial Force (Lbs) <u>60</u>	Moisture Resistance <u>MIL-STD-202, Method 106</u>
RF Leakage (dB MIN) (Interface Only, Fully Mated) <u>-(100-f(GHz))</u>	Torque (In/Oz) <u>55</u>	Corrosion - <u>MIL-STD-202, Method 101, Condition B</u>
Corona, 70,000 Ft (VRMS MIN) <u>375</u>	Weight (Grams) <u>2.0</u>	
Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>1500</u>		
Contact Resistance (Milliohms MAX) Center Contact <u>2.0</u>		
Outer Contact <u>2.0</u>		
Cable to Housing <u>0.5</u>		
RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>1000</u>		
I.R.(Megohms MIN) <u>5000</u>		

COMPONENT	MATERIAL	FINISH
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ± .005 ± 1°	DRAWN BY <u>D.CAM</u> DATE <u>9/26/85</u> CHECKED BY <u>RG</u> 11/14/85 APPD BY <u>RG</u> 11/14/85	AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599
These drawings and specifications are the property of Omni Spectra Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission.	USE ASS'Y PROCEDURE 408-04696 NO. AP. (20-312)	TITLE <u>OSM LOW PROFILE STRAIGHT CABLE PLUG COMPRESSION CRIMP ATTACHMENT</u>
	SIZE <u>B</u> CODE IDENT NO. <u>26805</u>	<u>2001-5395-02</u> REV <u>02₂</u>
	SCALE <u>8:1</u>	SHEET 1 OF 1